







Securing load in or on vehicle	Repetitive motion	Work planning	Y	2	3	2	2	24									
Securing load in or on vehicle	Hazardous materials	Work planning, secondary containment as required, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, posting and labeling, slow speed, PPE, shortest route between points, emergency response	Y	2	3	2	2	24									
Placard and label vehicle	Falls on same level	Maintenance of surfaces, snow removal, proper shoes	Y	2	3	2	3	36									
Placard and label vehicle	Falls to lower level, such as falling from a ladder or over a railing	Proper ladders and stands, height under 4 ft., proper shoes, work planning	Y	1	3	3	3	27									
Placard and label vehicle	Radiation	RWP, work planning, RCT support, ISM assistance, Transportation POC reviews, Transportation Subject Area, procedures, Transportation Safety Assessment Form, escorts as required, posting and labeling, slow speed of vehicle, PPE, use of shortest route between points, contamination controls as needed, emergency response	Y	2	3	1	2	12									
Placard and label vehicle	Hazardous materials	Work planning, secondary containment as required, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, posting and labeling, slow speed, PPE, shortest route between points, emergency response	Y	2	3	2	2	24									
Placard and label vehicle	Vehicle accident	Licensed drivers, traffic rules and signs, slow speed, loading off roadway, spotters, seat belts when moving, warning/flashing vehicle lights, emergency response, road closure as appropriate, vehicle inspections and maintenance, street lights, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, ISM and Procurement assistance as required, rigging and securement equipment inspections, suspect parts program, work planning, procedures	Y	2	3	4	2	48									
Transport the load and to new location	Getting struck by dropped load or hitting other objects or people with load while moving	Work planning, PPE, training, PE & C-AD inspection and maintenance of equipment, SBMS subject areas, OPM procedures, group procedures, Tier 1 inspections, known weight of load, known center of gravity of load, known lifting points on load, route and area checked clear prior to movement, engineering input and qualified PE riggers	Y	2	4	4	2	64	C-AD Supervisors to review their personnel assigned to perform mechanical material handling (FATS Action 2370.1.1). Recent rigging incidents have heightened awareness of needed competency and following of procedures and safety rules	N	2	4	3	2	48	25%	

Transportation	Vehicle accident	Licensed drivers, traffic rules and signs, slow speed, loading off roadway, spotters, seat belts when moving, warning/flashing vehicle lights, emergency response, road closure as appropriate, vehicle inspections and maintenance, street lights, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, ISM and Procurement assistance as required, rigging and securement equipment inspections, suspect parts program, work planning, procedures	Y	2	4	4	2	64	BNL initiative for increased traffic safety and following speed limits and compliance with traffic signs. Increased surveillance of speed by BNL Police.	Y	2	4	3	2	48	25%
Transportation	Radiation	RWP, work planning, RCT support, ISM assistance, Transportation POC reviews, Transportation Subject Area, procedures, Transportation Safety Assessment Form, escorts as required, posting and labeling, slow speed of vehicle, PPE, use of shortest route between points, contamination controls as needed, emergency response	Y	2	3	1	2	12								
Transportation	Hazardous materials	Work planning, secondary containment as required, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, posting and labeling, slow speed, PPE, shortest route between points, emergency response	Y	2	3	2	2	24								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater											
	Negligible	Acceptable	Moderate	Substantial	Intolerable											